

19970620.qrp qrp-por0.762  
 >From owner-qrp-l@Lehigh.EDU Thu Jun 19 18:03 CDT 1997  
 >Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])  
 > by uro.theporch.com (8.8.6/A-UX-3.1.1) with ESMTP id SAA04821  
 > for <shimshon@uro.theporch.com>; Thu, 19 Jun 1997 18:03:50 -0500 (CDT)  
 >Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])  
 > by sco.theporch.com (8.8.6/SCO-5.0.2) with ESMTP id XAA26443  
 > for <shimshon@theporch.com>; Thu, 19 Jun 1997 23:03:45 GMT  
 >Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id  
 <34885-30784>; Thu, 19 Jun 1997 19:03:28 -0400  
 >Date: Thu, 19 Jun 1997 19:03:12 EDT  
 >Sender: owner-qrp-l@Lehigh.EDU  
 >Precedence: bulk  
 >From: qrp-l@Lehigh.EDU  
 >To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
 >Subject: QRP-L digest 762  
 >Mime-Version: 1.0  
 >Content-Type: text/plain; charset=us-ascii  
 >X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN  
 >Message-Id: <97Jun19.190328edt.34885-30784+134@fidoii.cc.Lehigh.EDU>  
 >Status: 0

## QRP-L Digest 762

Topics covered in this issue include:

- 1) [21598] Re: Phased SLV/W6MMA's ???  
by Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>
- 2) [21599] New Internet site for kits (UK)  
by Martin\_Peters@mon.bbc.co.uk
- 3) [21600] 50-40-30 K4JPN Georgia 18 Jun (Long)  
by "Steve & Anne Ray" <sbralr@worldnet.att.net>
- 4) [21601] looking for K5FO  
by Wayneb1103@aol.com
- 5) [21602] Re: Hamcom 3.1  
by Norm Melick <henmel@worldnet.att.net>
- 6) [21603] 38s Custom Enclosures -- Availability?  
by astone@erols.com
- 7) [21604] Re: Fellow 38S builder needs help`  
by Steve & Laura Yates <aa5tb@swbell.net>
- 8) [21605] 38S Tuning/RIT  
by Niels Jensen Kristjansson <nkristja@cadvision.com>
- 9) [21606] Envirotronics  
by "Jeff M. Gold" <JMG@tntech.edu>
- 10) [21607]  
by Tomasz Machnik <tmachnik@micros.com.pl>
- 11) [21608] MFJ-451 Keyboard Microprocessor  
by Bill Jones <kd7s@psnw.com>

- 12) [21609] Index yappin.....  
by k8cv@juno.com (Walt D Amos)
- 13) [21610] RE: Great Circle program: any beta testers around?  
by Ronald McConnell <rcmcc@lucent.com>
- 14) [21611] 10 W Amp for WM-20 SSB Rig ??? (Hello N7RI)  
by Jim Dolson <dolsonj@ix.netcom.com>
- 15) [21612] Re: Envirotronics  
by "Brad Mitchell" <bmitchel@kodak.com>
- 16) [21613] Pk to Pk voltage of 49er buffer amp  
by John Mckee <JMckee@RFMD.COM>
- 17) [21614] Kanga Spectrum Wavemeter  
by Tony Fishpool <G4WIF@CompuServe.COM>
- 18) [21615] Re: RF Noise While Mobile  
by sarraf@thermacore.com
- 19) [21616] FS: Emtech NW40  
by "Allan G. Taylor" <ataylor@midas.llnl.gov>
- 20) [21617] Antenna page  
by Bob Hightower <ki7mn@dancris.com>
- 21) [21618] Re: Antenna files from the BARK packet BBS  
by Frank <g3ycc@gqrpclub.demon.co.uk>
- 22) [21619] Re:Phased SLV/W6MMA's ???  
by Ed Loranger <we6w@qsl.net>
- 23) [21620] intellig xcvr  
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 24) [21621] help please  
by Bruce Rattray <rattray@siast.sk.ca>
- 25) [21622] Yaesu 757 Spectrum Analyzer  
by PDouglas12@aol.com
- 26) [21623] Sierra AGC, toroids & SWR query  
by Larry and Andrea Gagnon <gagnon@gagnon.u-net.com>
- 27) [21624] PS to post about FT-840 station FS by K3ETS  
by Dennis Zeares K3ETS <wzeares@post.cis.smu.edu>
- 28) [21625] Re: Sierra AGC, toroids & SWR query  
by Kory Hamzeh <kory@avatar.com>
- 29) [21626] 50/40/30 Calif. THURSDAY, 6/19 (Local Date)  
by Ed Loranger <we6w@qsl.net>

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Date: Wed, 18 Jun 97 16:36:00 PDT  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
To: qrp-l@Lehigh.EDU  
Subject: [21598] Re: Phased SLV/W6MMA's ???

>From: "W. D. Lindsey" <70511.3041@CompuServe.COM>  
>Can anyone tell me how to run \*two\* SLV\W6MAA in a phased arrangement?

Hi Doc, the easiest way to phase them is to locate them 1/2 wavelength

apart and feed them with equal lengths of coax - giving zero degrees of phase shift between the feeds. This will give 3+ dB gain in a plane 90 degrees from the plane of the poles with a pattern resembling a dipole. To get any desired directivity on any band, simply move one of the poles to 1/2 WL spacing. Poles in a N/S plane will give E/W dipole-like patterns.

Unfortunately, to get a single directional pattern, the feedline length would need to change for each band. And the resulting gain is less than a dB higher than the above.

73, Cecil, W6RCA, OOTC

-----  
Date: 19 Jun 97 00:15:00 EDT  
From: Martin\_Peters@mon.bbc.co.uk  
To: qrp-1%Lehigh.EDU@mon.bbc.co.uk  
Subject: [21599] New Internet site for kits (UK)  
Message-ID: <B27D313301C23A0C@-SMF->

Greetings all,

According to my RadCom received today, there is a Web page for Howes kits at the following URL

<http://www.howes-comms.demon.co.uk>

I just checked it out. There's an online catalogue, details of all the kits and a rather smart beginners guide to kit building.

They take Visa/Mastercard and the overseas postage doesn't look too bad.

I've had quite a few of the Howes kits over the years and found them to be 100 percent repeatable, of high quality (the boards are pre-tinned/silk-screened) and the instructions easy to follow.

Check it out.

73,

Martin - G4EFE - GQRP 1176

-----  
Date: Wed, 18 Jun 1997 21:14:20 -0400

From: "Steve & Anne Ray" <sbralr@worldnet.att.net>  
To: "QRP Group" <qrp-1@Lehigh.EDU>  
Subject: [21600] 50-40-30 K4JPN Georgia 18 Jun (Long)  
Message-ID: <19970619011501.AAA19722@pentium>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I had as much fun as the stations chasing me last night. Sorry I could not work more of you on 40 meters, but QRN was really heavy. The great part was I managed to pick up a few new states. This report is for 18 Jun 97 UTC

30 Meter Report I was running 2 W with a SWL 30-40 to a 30 M center fed Zepp fed with a Johnson Matchbox up 32 feet. Freq was approx 10.116 MHz

Station	Time	Sent	Rcvd	State	Pwr	Name
WD3P	0002	599 559	MD 5	Larry		
K1LGJ	0004	559 559	NY 3	Bob		
K5ID	0007	599 549	AR 5	Ken		
WD3P	0015	599 569	MD 5	Larry short QSO while I looked around.		
WA1QVM	0024	559 549	MA 4	Joe		
AE9K	0026	559 339	WI 5	Brian		
K8CV	0030	589 569	MI 5	Walt		
K5EOA	0044	589 579	LA ?	Wayne	Not QRP just wondered what the CQ WAS	
QRP was all about, maybe a potential QRP candidate.						
WD4MSM	0055	559 559	IN 5	Barry		
KF4AR	0116	559 549	NC 2	Rick		
AA1LL	0125	599 579	NH 100	Paul	Not QRP, but interested, maybe	
another convert to QRP.						
W3CKU	0136	599 559	PA ?	Jim		
KD2IX	0158	589 559	NY 5	Frank		

The following is my 40 M log I did not do as good, to the North until I switched from my Zepp to my 40 M sloper pointed to the North. The rig was a HW-8 running 2W. Frequency was approx 7.040 MHz.

Station	Time	Sent	Rcvd	State	Pwr	Name
WD3P	0209 579	MD		Larry		
K5ID	0211 579	Lost to QRM	es QRM			
WD3P	0214 579	559 MD	5	Larry		
K5ID	0215 579	439 AR	5	Ken		
WD4MSM	0247 569	339 IN	5	Barry		
AE9K	0252 579	589 WI	5	Brian		
K8CV	0257 579	559 MI	4	Walt		
WA8LCZ	0303 579	559 QRM	took out			
KA5T	0308 359	339 TX	5	Larry		

72

Steve Ray      K4JPN      ex K1VKW      HW-101, HW-8, SWL 30-40 and NC 38S Heath  
Kit fan

-----  
Date: Wed, 18 Jun 1997 21:24:54 -0400 (EDT)  
From: Wayneb1103@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [21601] looking for K5F0  
Message-ID: <970618212322\_-992928410@emout04.mail.aol.com>

I was looking at the W1FB pixie2 that you drew for the list and noticed that perhaps C5 is the wrong value. I believe that the 82pF cap was for the 80M version, for 40M .1uF (like C8) would work better.

Also I am not sure how important a roll L2 plays (as in L1 where a variance will have little effect) but its value is also carried over from the 80M version and presents about half the impedance for 40M. If it is necessary to maintain an equivalent impedance for 7MHz then I believe that L2 should be up

around 180uH.

Again, I am not sure of its importance to the circuit as I am not sure of its function or how the initial value was determined in the 80M version. I believe that it is meant to keep the oscillator frequency applied to the base and perhaps filter any low frequency stuff to ground.

One other question. C13, is 1800pF the same thing as .002uF + or - a tad?

I realize that you didn't design the circuit but simply submitted it for the list and I am not picking on you, really. I just be curious as to how all this stuff works and I've noticed that you seem to have a handle on some of it while I am just beginning. Thanks

Wayne WB7WHI  
Spokane, Wa.

-----  
Date: Wed, 18 Jun 1997 19:09:28 -0700  
From: Norm Melick <henmel@worldnet.att.net>  
To: AA0QX@prodigy.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [21602] Re: Hamcom 3.1  
Message-ID: <33A894D8.5B82@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

AA0QX wrote:

>  
> I downloaded a copy of this program and when I decompressed it it would  
> not load. I need to try again, but I can't remember the site I  
> downloaded it from.  
>  
> I looked at TAPR. They have Hamcom 3.0 but not 3.1. Any ideas?  
>  
> Thanks,  
>  
> 72 de Austin aa0qx  
I caught your post concerning Hamcom 31.

Try <http://www.accessone.com/~tmayhan>. This is the "unofficial" Hamcom page. Lots of good stuff there, including Hamcom 3.1

Norm/KF6HSK

-----  
Date: Wed, 18 Jun 1997 23:52:14 -0700  
From: astone@erols.com  
To: qrp-1@Lehigh.EDU  
Subject: [21603] 38s Custom Enclosures -- Availability?  
Message-ID: <33A8D71E.3D51@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I heard that someone on the list is providing custom enclosures. Anyone know who might that be and the approximate cost? Thanks for the help.

72,

Ron (KA3J)  
Bethesda, MD

-----  
Date: Wed, 18 Jun 1997 23:19:27 -0500  
From: Steve & Laura Yates <aa5tb@swbell.net>  
To: qrp-1@Lehigh.EDU  
Cc: N7V0E@juno.com  
Subject: [21604] Re: Fellow 38S builder needs help`  
Message-ID: <33A8B34E.13EF@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

ka7you@juno.com wrote:

>

> I received this message from Dan N7V0E, a local builder of a 38S, and I  
> said I would pass it on to the group.

>

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\*\*\*\*\*

> Hi Rod,

> Thanks for the assistance,

> I've put in the mods for the keyer, RIT and the modified 5 watt mod.

> I've used the other rig to find out where I was transmitting and it

> turned

> out to go from  
> 9.875 to 10.075, 200khz. I've heard WWV. I've checked both the transmit  
> and  
> receive and it seems to be the same freq.  
>  
> Thanks again,  
> Dan  
>

\*\*\*\*\*  
\*\*\*\*\*

> He is on E-Mail at N7VOE@JUNO.COM but he is not a subscriber to the  
> QRP-L list. Any clues as to where he should look would be appreciated.  
> I've gone over my notes and haven't seen anything quite like this among  
> the postings.  
> 7 3,  
> Rod Johnson KA7YOU from CN97AK near Issaquah, Wa. 160M thru 1296 MHz  
> (3456MHz still in the wings)  
> NWQRP#120 ARCI#7251 QRP-L#844 NorCal #2007

I noticed a similiar problem with my 38S except that it occurred only in the transmit mode. After looking at it on a spectrum analyzer at work I found it was transmitting in about the same frequency range as the rig you speak of. I found that the easiest way to cure the problem was to have the circuit card mounted over a ground plane. My 38S is a fully modified version and there seems to be an EMI problem between the PA and RIT circuits when no ground plane is present, even if the RIT is off. After I verified that I had everything fabricated properly, I just mounted the rig in the metal enclosure I had picked out for it and it worked properly. Transmitter tuning is still very critical but once tuned, it stays put. I do have some annoying noise sidebands at about +400 and -400 KHz from the carrier frequency but they are about 40dB down.

This may not be the same problem your rig is having since you have it on receive as well but then again it may have more than one problem. I hope this info. helps.

73,  
Steve, AA5TB  
aa5tb@swbell.net  
or  
steve.r.yates@lmtas.com

-----  
Date: Wed, 18 Jun 1997 22:40:22 -0600  
From: Niels Jensen Kristjansson <nkristja@cadvision.com>



To: qrp-1@Lehigh.EDU  
Subject: [21605] 38S Tuning/RIT  
Message-ID: <1.5.4.16.19970618092745.1f275204@cadvision.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi gang,

I'm in the process of moving to a new QTH where I can put up a tower so I guess it is worth the trouble. As a result I am off the air temporarily and all my stuff is in boxes in the garage. A good friend of mine Dave VE6DV just built a 38S (my fault) and needs advice on the tuning range and the RIT, his tuning range is about 5kHz low and the RIT is not doing much. Mine had the tuning right on and I didn't do the RIT as I'm using a 10 turn pot. Can you guys give him a hand til I am sorted out? He is not on this list and his e-mail address is: juddd@cadvision.com

Thanks guys.

72 de Niels  
VE6NJK/TF3NJ

Temporary QRT and going through withdrawals (according to the XYL).

-----  
Date: Thu, 19 Jun 1997 07:47:00 -0500 (CDT)  
From: "Jeff M. Gold" <JMG@tntech.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [21606] Envirotronics  
Message-ID: <01IK8ZBYQWCM8WX6AW@tntech.edu>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

I collect keys and paddles. I love my Envirotronics paddle. It blows away anything that is close to it for the money.. well the Kent Paddle is great also.

just my 1c worth

72  
Jeff, AC4HF

-----  
Date: Thu, 19 Jun 1997 15:02:20 +0200 (MET DST)  
From: Tomasz Machnik <tmachnik@micros.com.pl>  
To: QRP-L Bulletin Discussion <qrp-l@Lehigh.EDU>  
Message-ID: <Pine.LNX.3.95L01at.970619145547.985A-1000000@micros.micros.com.pl>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello, everyone

It's my first msg at here...  
I have started assembling the Digital 942 QRP trx kit.  
It would be nice to get some info about the thing  
before it starts work (if ever...)  
Please drop me a line if you have some experience with  
Digital 942. It's on the market for few years, so  
there must be somebody who have seen it working.

Thanks

Tom SQ9DJQ

-----  
Date: Thu, 19 Jun 1997 07:15:27 -0700  
From: Bill Jones <kd7s@psnw.com>  
To: qrp-l@Lehigh.EDU  
Subject: [21608] MFJ-451 Keyboard Microprocessor  
Message-ID: <33A93EFF.49CC@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Friends,

A few days ago I shared my experiences with the MFJ-451 keyboard keyer.  
As I mentioned in my initial post, the device just quit working one  
day. Al, K0FRP, said he had the same problem and was able to fix it by  
resetting the microprocessor. I've been unable to contact MFJ tech

support to find out how this is done. Does anybody know how to reset the microprocessor in the '451 keyboard?

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Date: Thu, 19 Jun 1997 13:52:28 GMT  
From: k8cv@juno.com (Walt D Amos)  
To: qrp-1@Lehigh.EDU  
Subject: [21609] Index yappin.....  
Message-ID: <19970619.142205.9870.11.k8cv@juno.com>

Sorry folks for the yappin about my index. It won't happen any more.

73

Walt k8cv

-----  
Date: Thu, 19 Jun 1997 11:04:28 -0400  
From: Ronald McConnell <rcmcc@lucent.com>  
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>  
Cc: "'Ronald McConnell'" <rcmcc@lucent.com>  
Subject: [21610] RE: Great Circle program: any beta testers around?  
Message-ID: <01BC7CA0.8F110480@ADC\_LAB9>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Ohhhhkay. I think that I have sent out the GCGC package to everyone that asked, in the requested form and to the requested address.

If I've missed someone in the pile, drop me another note.

I accidentally sent out "gcgc.bat" instead of "gcgc.zip" to a few folks before it was caught. I think I resent the real package to them. (My excuse is that the "Insert File" list doesn't show suffixes.)

Chuck Adams forecast/warned that I would get a big response if I offered a free program to test. :)

A couple of the fellows are testing gcgc on HP200

palmtops. I hope it works. I'm trying to figure out how to justify getting a palmtop to the XYL. The output now is a bit verbose for palmtops. I can trim that down to just the essential data.

I forgot to mention that the ellipsoidal algorithms are from the US NGS, including the one that takes a bearing and distance and gives you back the lat/long for the DX station.

I meant to include some sample inputs:

```
gcgc 40.7812 n 74 41 24w em86sp
```

yields the bearings and distance between W2IOL and K4YZO.

```
gcgc fn20ps n 36 39.5 w 82 28.1 f 78 d 6 19
or
gcgc 78 f 6 19 d 36 39.5 n 82 28.1w fn20ps
```

yields the bearings and distance between K4YZO and W2IOL and does a MiniMUF for a flux of 78 for June 19.

```
gcgc em86sp
```

goes off and looks up W2IOL and then continues.

Have fun.

72, 73,

Ron McConnell, w2iol

-----  
Date: Thu, 19 Jun 1997 11:07:51 -0400  
From: Jim Dolson <dolsonj@ix.netcom.com>  
To: qrp-1@Lehigh.EDU  
Subject: [21611] 10 W Amp for WM-20 SSB Rig ??? (Hello N7RI)  
Message-ID: <33A94B47.5E9B@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I tried to send this note to Ralph, N7RI, but the note came back undeliverable. Perhaps someone else knows of a design for a small amp

which would be useful.

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Ralph,

You mentioned in a note to QRP-L on March 31 that you had a 10 watt amplifier for your WM-20 rig. Did you build that up from an article somewhere or design it on your own.

I'd like to make a similar little amp and would appreciate your pointing me in the right direction.

Do other stations notice much difference between the 10 watts and the 2 watts or so from your GM-20 ?

73,

Jim  
wb8zbd  
dolsonj@ix.netcom.com

-----  
Date: Thu, 19 Jun 1997 11:12:45 -0400  
From: "Brad Mitchell" <bmitchel@kodak.com>  
To: <JMG@tntech.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [21612] Re: Envirotronics  
Message-ID: <9706191509.AA17150@iiatasun.cba.Kodak.COM>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Maybe it's a great paddle, but I just don't like the name.  
Draws an image of crunchy granola as opposed to hardened steel.

Is it just me or is that name sort of out of character?  
73 Brad WB8YGG

>  
>  
> I collect keys and paddles. I love my Envirotronics paddle. It  
>  
> 72  
> Jeff, AC4HF

>  
>

-----  
Date: Thu, 19 Jun 1997 11:10:21 -0400  
From: John McKee <JMckee@RFMD.COM>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>  
Subject: [21613] Pk to Pk voltage of 49er buffer amp  
Message-ID:  
<c=US%a=\_%p=RF\_Micro\_Devices%l=PACHACUTEC-970619151021Z-1044@proxy1.rfmd.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hello Gang,

Does someone know what the Pk-Pk voltage output of the buffer stage in the 49er is? I don't have one but I am building an 80m transmitter with a driver/PA stage similar to the 49er. I need to know what voltage gives maximum output without blowing up the PA transistor.

Thanks es 72

John McKee WB40FT  
jmckee@rfmd.com

-----  
Date: Thu, 19 Jun 1997 11:55:34 -0400  
From: Tony Fishpool <G4WIF@CompuServe.COM>  
To: QRP list <qrp-l@Lehigh.EDU>, G-QRP List <gqrp-l@blacksheep.org>  
Subject: [21614] Kanga Spectrum Wavemeter  
Message-ID: <199706191155\_MC2-18CC-F167@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Dear All,

A number of folk who subscribe to both lists have recently bought the Kanga version of my Wavemeter. Dick Pascoe's instructions would appear to have some errors, and as he is about to swan off to Friedricks-haven (must be nice being retired!), he has asked me to inform you all. So if you would like to contact me, I'll

send you an errata file.

What do you think, should I negotiate a bigger commission next time? :-)

Kind Regards

Tony - G4WIF

G-QRP Webmaster.

<http://ourworld.compuserve.com/homepages/g4wif/gqrp.htm>

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Date: Thu, 19 Jun 1997 12:45:40 -0400

From: sarraf@thermacore.com

To: qrp-l@listserv.lehigh.edu

Subject: [21615] Re: RF Noise While Mobile

Message-ID: <852564BB.005A2716.00@tci-nt02.thermacore.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Tire noise and static straps were supposed to be a thing of the past. Changes in rubber formulation have made tires softer and more conductive, so they are less likely to build up a charge and can more readily bleed off what does accumulate. When I was young we regularly travelled the PA turnpike to visit relatives. Part of the fun of travelling was to see if my dad would get a shock when we stopped at the toll booths to pick up a ticket or hand our toll to the attendant.

The suggestion to drive through wet grass should answer the tire static question.

The problem could be wind static. A few weeks back someone related a story about the capacitors in their antenna tuner arcing over in a windstorm due to a wind and dust induced static charge buildup on the antenna. The motion of the car and antenna through the air may be what is building charge in this case as well. Does the antenna have a static ball on its tip?

Dave Sarraf

N3NDJ

Elizabethtown, PA

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Date: Thu, 19 Jun 1997 10:14:35 -0700 (PDT)  
From: "Allan G. Taylor" <ataylor@midas.llnl.gov>  
To: qrp-l@Lehigh.EDU  
Subject: [21616] FS: Emtech NW40  
Message-ID: <199706191714.KAA22968@midas.llnl.gov>

I have an Emtech NW40 for sale as of June 29 (i.e., after Field Day)

I have committed to buy a NorCal40a that should better suit my needs for portable operations interests and need to do some financial consolidations!

The NW40 was built by Bob Parks, K6AEC, a QRP-Ler.  
Immaculately built in the Emtech cabinet. Includes the audio filter.

I have \$120 in it and would like to get that out again. + shipping of course.

Grant Taylor K7GT email: k7gt@qsl.net

-----  
Date: Thu, 19 Jun 1997 10:23:00 -0700 (MST)  
From: Bob Hightower <ki7mn@dancris.com>  
To: qrp-l@Lehigh.EDU  
Subject: [21617] Antenna page  
Message-ID: <199706191723.KAA21088@dancris.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Thanks to Keith, WB2VU0, I have a homebrew antenna page on my web site. I've been drooling over some of the antenna descriptions on the list, and this is a nice collection of information and construction tips. If you know of something to add, please let me know. If you see an error that may have cropped up in translating from a text file to an .html file, please let me know.

73,  
Bob KI7MN (ki7mn@dancris.com) Chandler, AZ  
Grid DM43bi Lat 33.334500 Long -111.87260  
NorCal #1221 ARCI #8918 Qrp-l #271 CQC #274 AK QRP #30 ARRL  
<http://www.dancris.com/~ki7mn>  
WIMPS: QS0's=18 30=18 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=5

-----  
Date: Wed, 18 Jun 1997 20:10:31 +0100



From: Frank <g3ycc@gqrpclub.demon.co.uk>  
To: wb2vuo@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [21618] Re: Antenna files from the BARK packet BBS  
Message-ID: <y57Ub0AnKDqzEwQk@gqrpclub.demon.co.uk>  
MIME-Version: 1.0

In message <19970618.131854.2063.1.wb2vuo@juno.com>, William K Hibbert  
<wb2vuo@juno.com> writes  
I would gladly add the files to my web site if that would help. Perhaps  
you could email them to me or snail mail on a disk? Am QTHR any call  
book since 1066.  
Best regards.

--

Frank G3YCC G QRP Club 042 QRP Master's 024  
QRP Web sites: <http://www.gqrpclub.demon.co.uk>  
<http://www.geocities.com/CapeCanaveral/5179>  
Packet: G3YCC@GB7HUL

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Date: Thu, 19 Jun 1997 11:55:41 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: 70511.3041@CompuServe.COM  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [21619] Re: Phased SLV/W6MMA's ???  
Message-ID: <33A980AD.4BD5@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just finished with the QST June, 1994 article on pages  
37-40 about Phased Vertical Arrays.

#### HALF-WAVE PHYSICALLY SPACED:

##### In-Phase:

Half wave physically spaced verticals with equal  
length transmission line from the rig: Broadside pattern  
with about 4 dB gain over Single Vertical.

##### Anti-Phase:

Same setup with one feedline 1/2 wavelength longer:  
Figure 8 pattern in-line with antenna plane.

#### ONE QUARTER-WAVE PHYSICALLY SPACED:

##### In-Phase:

Slightly eccentric pattern favoring broadside operation with

approx. 3 dB lower radiation in the plane of the antenna axis.  
Broadside gain -- 1 dB over single Vertical.

Anti-Phase:

Choice of cardoid pattern favoring leg with 1/2 wavelength  
longer feedline section.

Gain is 3 dB over Single Vertical.

NOTE: Article suggests that some 'Equal length' feedline  
is MORE EQUAL than others. Recommendation is multiples of  
1/2 wavelength feedline where lengths are equal or when  
one leg is 1/2 wavelength longer -- USE 1/2 wavelength to  
one antenna, 1 Full wavelength feedline to the other.

My Shared observations.

TU and enjoy!

-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)

HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.

QRP-L#1068/Norcal#2227/ARCI#????

mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----  
Date: Thu, 19 Jun 1997 15:45:50 -0400 (EDT)

From: "J. Skalski" <jskalski@acsu.buffalo.edu>

To: qrp-l@Lehigh.EDU

Subject: [21620] intellig xcvr

Message-ID: <Pine.GS0.3.96.970619152822.29603A-100000@joxer.acsu.buffalo.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Next week I will start making up a parts list of each board.....

If someone else wants to do the same we could cross check our totals :-)

There is nothing worse than sending in an order for parts....then finding  
out later that you missed a 3 cent part.....and they are from a company  
that has minimum order/shipping charges :-(

I have some parts accumulated( not to mention.....wire)

Probably 10,000 or more capacitors in at least a couple hundred values.

Unfortunately they are probably not the ones I need (murphy's law)

If anyone building the project has a complete stock of 1/4 watt resistors

or some of the semiconductors ; contact me. I may have some of the parts that you need.

I have a backlight LCD display and possibly the microcontroller and latches.

I have some extra Z-80 MPU's I would like to trade.

I have some new raytheon knobs that will look really nice.

I also need the miniature relays... all of mine seem to have leads that are too short to solder. I would like to use sockets on the new ones. That would make repairs easier. That's another good point. I need sockets. I have some 40 pin but need most of the rest.

Anyone thought about ordering the crystals yet? Maybe someone has bags of them. Someone mentioned a place called FOX crystals. I couldn't find a web site. He said he bought crystals from them for 50 cents each....although it was a big bag.

With a group this big ' I bet we all have the parts to build a couple xcvsr.

If anybody has a huge parts cache and needs wire; contact me :-)

73,

Jim N2GO  
The Buffalo QRP CONNECTION  
ARCI #9013 QRP-L #381  
Life member ARRL  
jskalski@acsu.Buffalo.EDU

-----  
Date: Thu, 19 Jun 1997 14:21:07 -0600 (CST)  
From: Bruce Rattray <rattray@siast.sk.ca>  
To: QRP-L Reflector <qrp-l@Lehigh.EDU>  
Subject: [21621] help please  
Message-ID: <2607211419061997/A07543/RIEL/11B69B950600\*@MHS>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=US-ASCII  
Content-transfer-encoding: 7BIT

Does anyone know where I can find the information which will tell me how to take my Yaesu FT-209RH apart? I suspect I have lost the solder connection on the centre conductor of the antenna bnc where it connects to the board. I used to know this years ago but alas the memory fades....tnx & 72 - Bruce (VE5RC) QRP-L#886

"QRP! How sweet it is!"

e-mail: rattray@siast.sk.ca

-----  
Date: Thu, 19 Jun 1997 17:19:46 -0400 (EDT)  
From: PDouglas12@aol.com  
To: KE4IOF@hiwaay.net, qrp-l@Lehigh.EDU  
Subject: [21622] Yaesu 757 Spectrum Analyzer  
Message-ID: <970619171859\_-1429322145@emout05.mail.aol.com>

Gang,

I can report that I have a successful download of the N9IPV Spectrum Analyzer for the Yaesu 757 GX and GXII, and it runs in Win 3.1 or 95; it even runs on my little '386 in the shack. The details can be found at [HTTP://www.newnorth.net/~dthimm](http://www.newnorth.net/~dthimm). It is really an interesting page, plus the details of the Analyzer can be found after you scroll down towards the bottom.

I have mailed my check for the interface and registration, and will report further when I have it actually hooked up. All I know so far is that the program itself runs.

72,

Preston WJ2V

-----  
Date: Thu, 19 Jun 1997 22:36:22 +0100  
From: Larry and Andrea Gagnon <gagnon@gagnon.u-net.com>  
To: qrp-l@Lehigh.EDU  
Subject: [21623] Sierra AGC, toroids & SWR query  
Message-ID: <1.5.4.32.19970619213622.0066db28@mail.u-net.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi. Have just completed building and testing my Sierra. What a well-planned

kit and a great rig! Fired up first time!

I have 3 queries:

1) the AGC seems a little strange. I get clicks in the earphones sometimes when I tune onto a strong CW station or if there is a strong CW station nearby. Increasing AGC sometimes works but I prefer not to do that as it deadens the sensitivity a fair bit. Any ideas out there??

2) the Sierra manual suggests the KC2 wattmeter may be used for reflected power by addition of a directional coupler. Has anyone tried this successfully, and if so what sort of circuit and install did you use? Failing that does anyone know of a very small SWR meter & circuit to fit into the Sierra??

3) the Sierra manual also suggests that if it is to be used backpacking to adhere the toroids to the board with a glue such as Q-Dope. Can't get that here in Wales! Has anyone used plain vanilla silicone seal successfully? Would it affect the Q?

Your comments would be greatly appreciated.....73's Larry MW0AWC

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Date: Thu, 19 Jun 97 17:13 CDT  
From: Dennis Zeares K3ETS <wzeares@post.cis.smu.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [21624] PS to post about FT-840 station FS by K3ETS  
Message-ID: <1.5.4.16.19970619155838.29cfc496@post.smu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I forgot to add the Ashton RS-20A power supply so that makes it a complete station.

Price: I want fair offers only. the money is needed for expenses. I am willing to accept offers. If that doesn't work, then I will set a price. if that doesn't work, then I will sell separately.

thanks to all. this is just preliminary but if there is anyone really interested and willing to wait, we can make a deal.

72/73 Dennis K3ETS

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Date: Thu, 19 Jun 1997 14:46:10 -0700 (PDT)  
From: Kory Hamzeh <kory@avatar.com>  
To: Larry and Andrea Gagnon <gagnon@gagnon.u-net.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [21625] Re: Sierra AGC, toroids & SWR query  
Message-ID: <Pine.BSI.3.91.970619144225.18371B-100000@avatar.avatar.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 19 Jun 1997, Larry and Andrea Gagnon wrote:

>  
> 2) the Sierra manual suggests the KC2 wattmeter may be used for reflected  
> power by addition of a directional coupler. Has anyone tried this  
> successfully, and if so what sort of circuit and install did you use?  
> Failing that does anyone know of a very small SWR meter & circuit to fit  
> into the Sierra??

I'm building a SWR absorbing directional coupler to work with the KC2. If I ever finish it, I will write up an article and send it to Doug Hendricks to be (hopefully) published in QRPP. I should have it mostly built in a week or two. It's very very simple, I'm just extremely busy with work right now.

I think it's just terrible with work starts interfering with my hobby! :-)

73 de Kory AC6RN

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Date: Thu, 19 Jun 1997 15:48:55 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [21626] 50/40/30 Calif. THURSDAY, 6/19 (Local Date)  
Message-ID: <33A9B757.5E3B@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well, Just a little over an hour from now!!!

I'll be running Vertical Antennas in case anyone is wondering.

1700-1900 PDT (LOCAL Thursday) (0000-0200Z Friday) 7.112 +/-  
ON MY HW-8 rig with about 2 Watts.

1900-2100 PDT, Local Thursday (0200-0400Z Friday) 7.042 +/-  
on my OHR-100 with about 4 to 5 watts.

Well, gotta ride the bicycle home to get ready!

Hope to work all you 50/40/30 participants!

-Ed Loranger

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72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)

HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.

QRP-L#1068/Norcal#2227/ARCI#????

mailto:we6w@qsl.net <http://www.qsl.net/we6w>

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End of QRP-L Digest 762

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